(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 9 June 2005 (09.06.2005)

PCT

(10) International Publication Number WO 2005/052572 A1

(51) International Patent Classification⁷:

G01N 31/22

(21) International Application Number:

PCT/GB2004/004869

(22) International Filing Date:

19 November 2004 (19.11.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0327226.7

22 November 2003 (22.11.2003) GB

- (71) Applicant (for all designated States except US): AD-VANCED GEL TECHNOLOGY LIMITED [GB/GB]; Unit 41 Campus Road, Listerhills Science Park, Bradford, West Yorkshire BD7 1HR (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): EAGLAND, Donald [GB/GB]; 21 Clough Drive, Clough Park, Lepton, Huddersfield, West Yorkshire HD8 0JJ (GB). CROWTHER, Nicholas, John [GB/GB]; 12 Beech Drive, Denholme, Bradford, West Yokshire BD13 4LU (GB).
- (74) Agents: NEILL, Alastair, William et al.; Appleyard Lees, 15 Clare Road, Halifax HX1 2HY (GB).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: POLYMERIC MATERIALS INCORPORATING A PH INDICATOR DYE

(57) Abstract: The pH of a wound is assessed using a hydrogel film which changes colour in dependence upon pH. Suitably, the hydrogel film incorporates an indicator, across substantially its entire extent so that the film may be used to monitor pH across a wound. Wound pH information may be used to facilitate selection of the appropriate treatment to which the wound should be subjected. Suitably, the hydrogel film is incorporated into a dressing.